

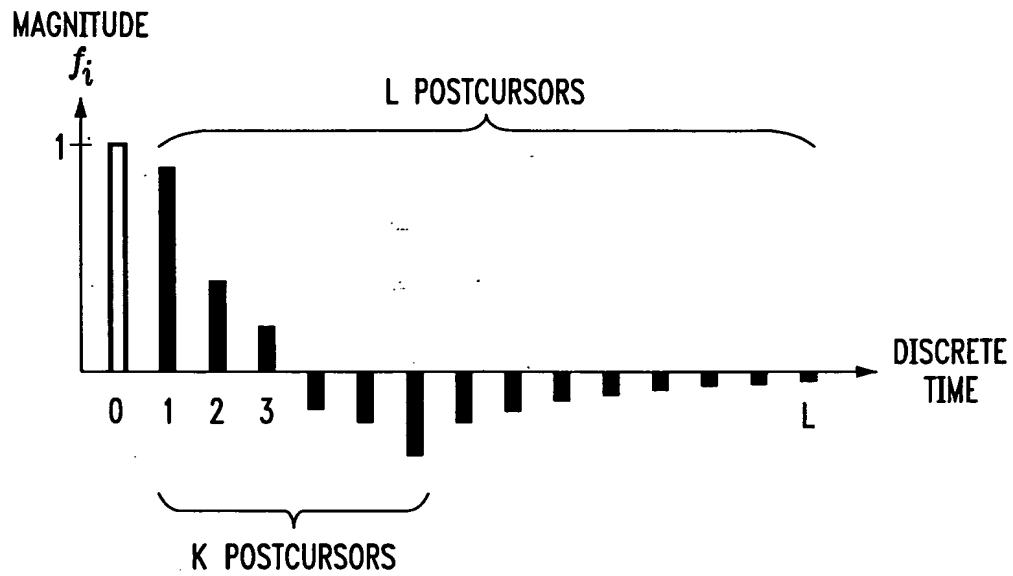
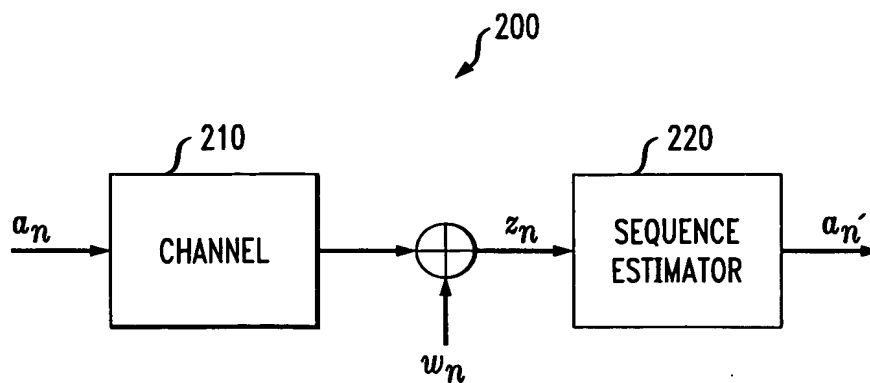
*FIG. 1**FIG. 2*



FIG. 3

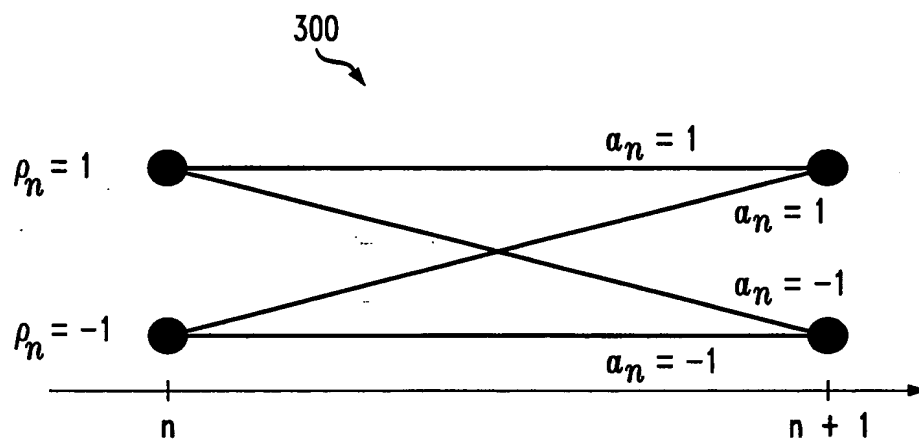
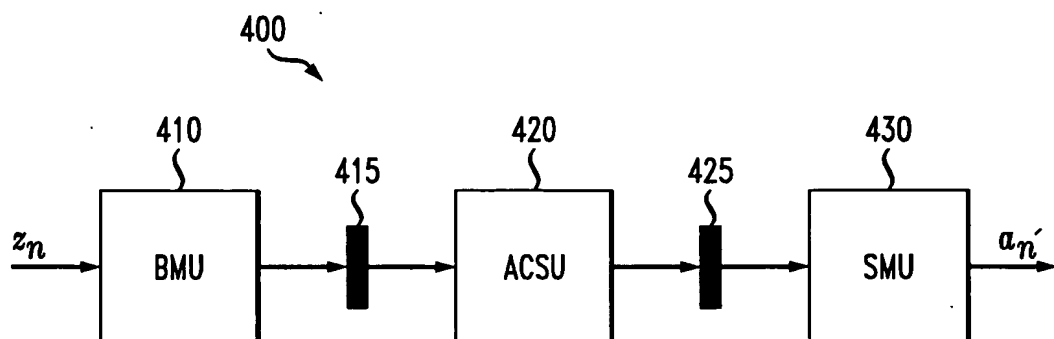


FIG. 4



3/15

FIG. 5

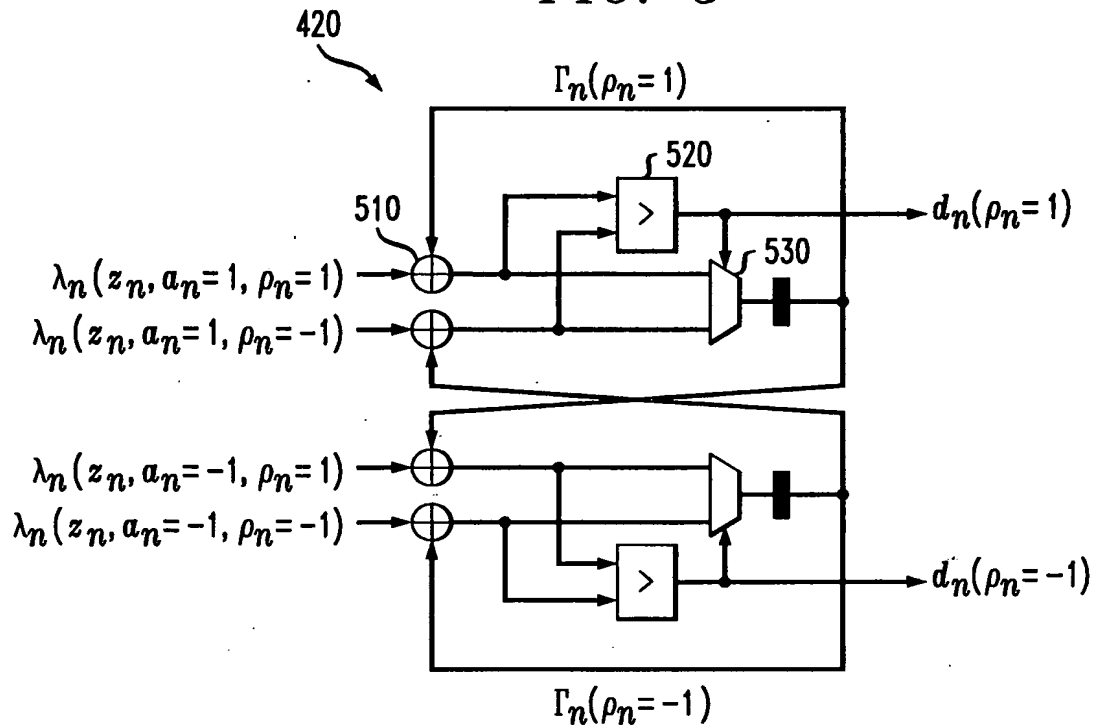


FIG. 6

COMPLEXITY AND CRITICAL PATH ANALYSIS TABLE -- 600

620

	MLSE	RSSE
COMPLEXITY		
NO. OF STATES:	$2^L$	$2^K$
NO. OF BMs	$2^{L+1}$	$2^{K+1}$
ADDs IN DFU:	—	$S \times L$
CRITICAL PATH	2 ADDs 2-to-1 MUX	$L - K + 3$ ADDs 2-to-1 MUX LUT SHIFT

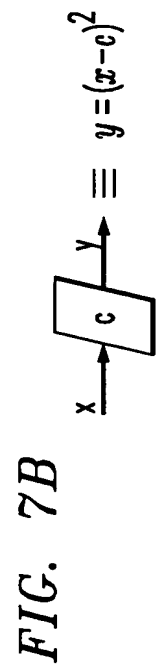
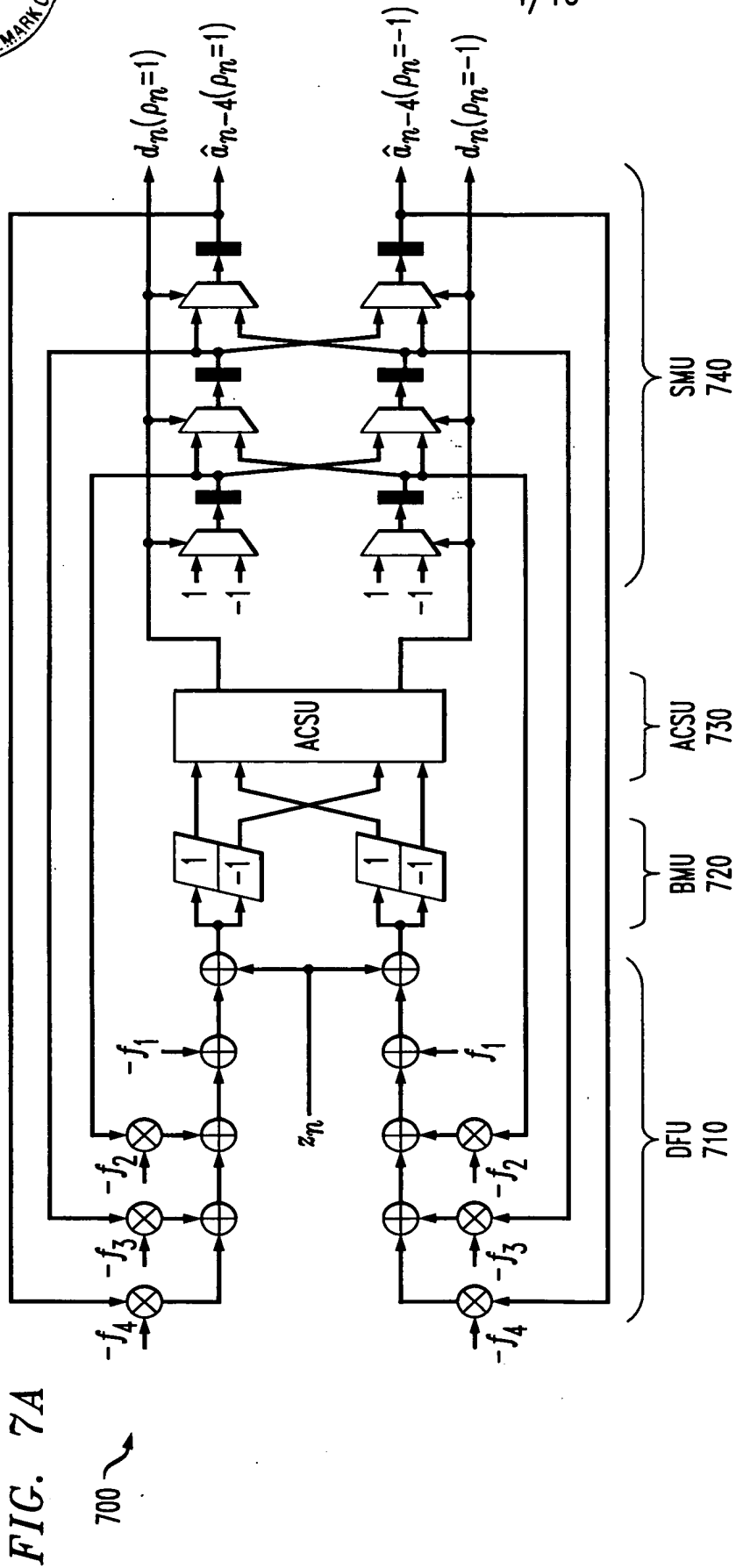
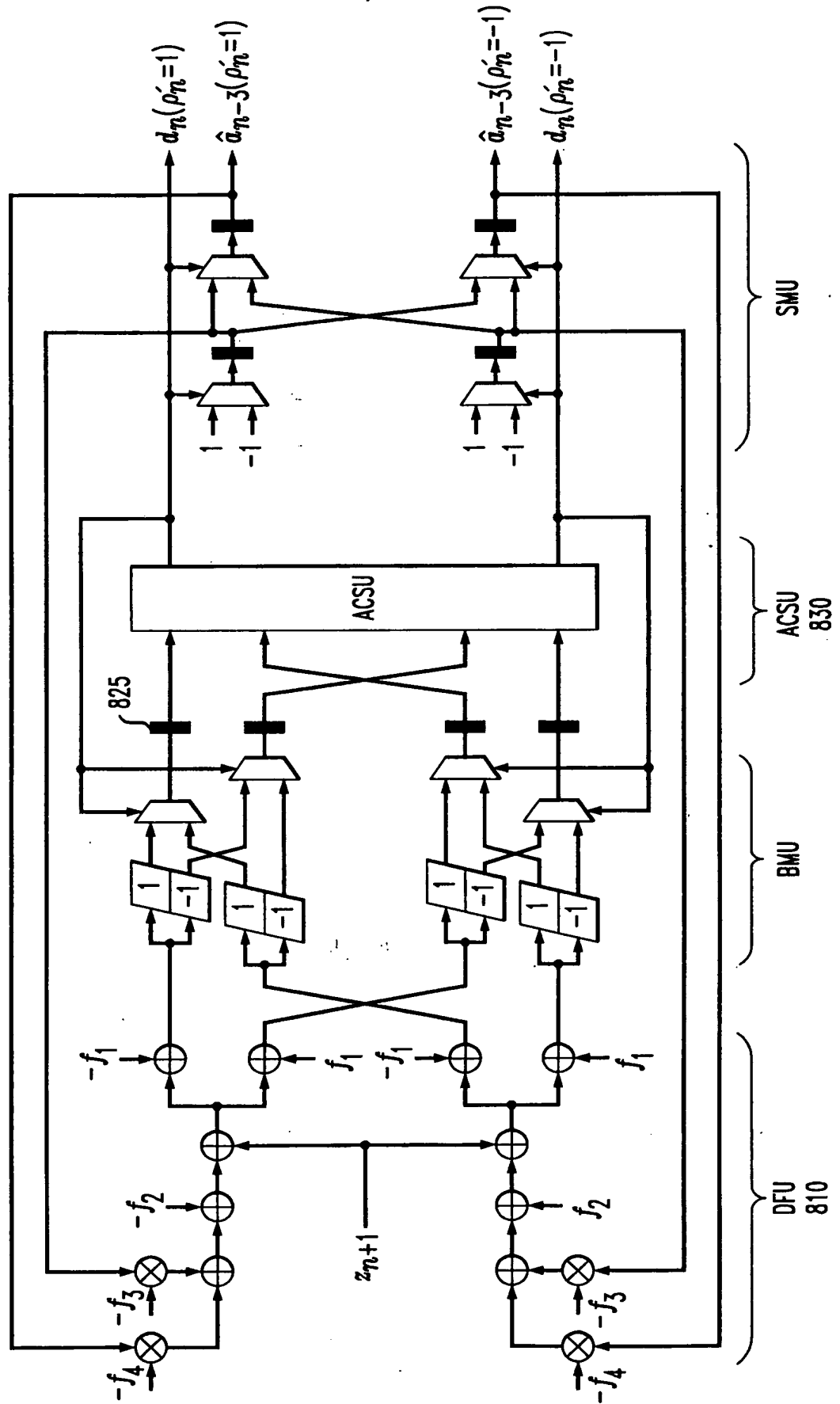


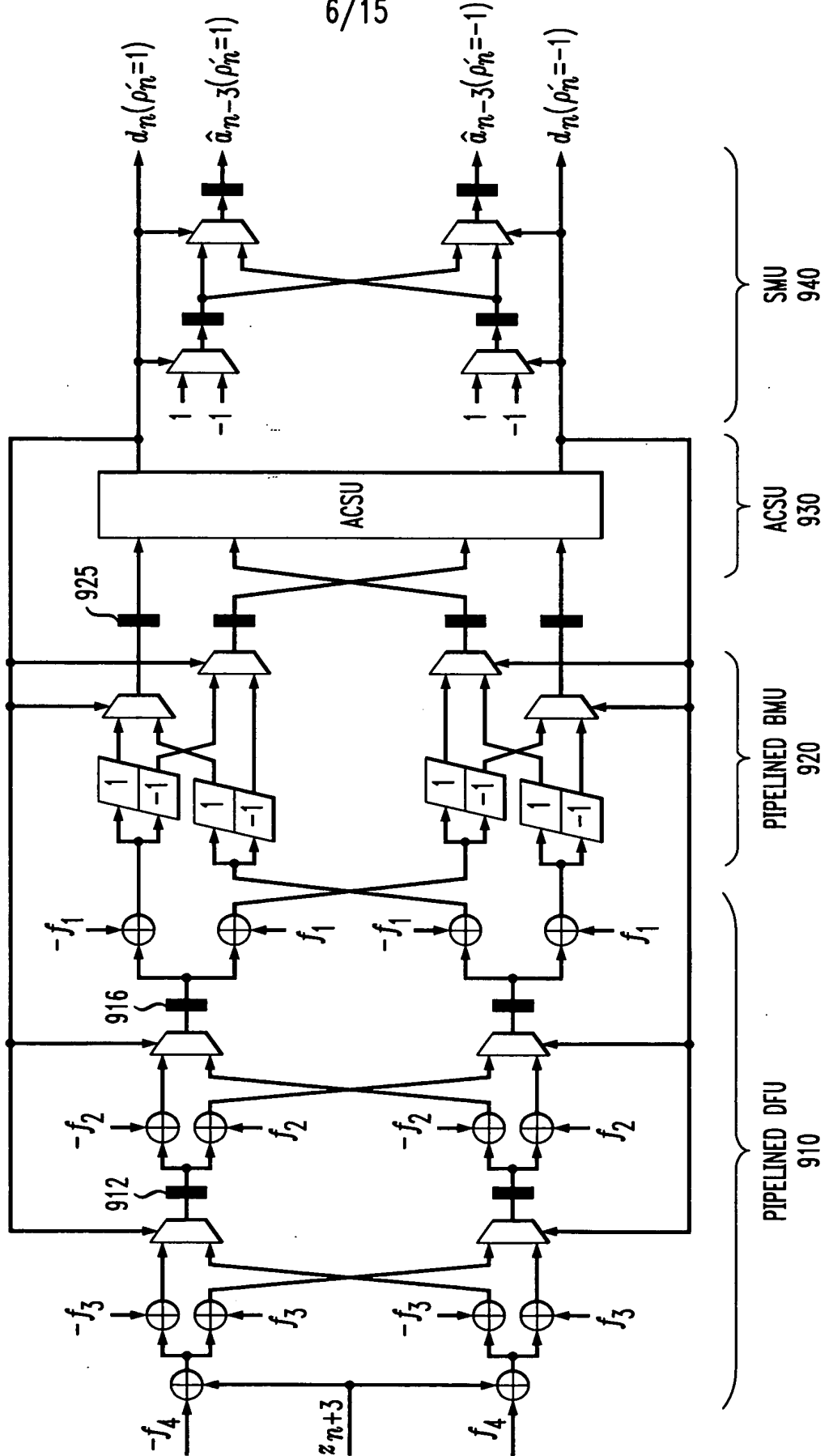


FIG. 8



6/15

FIG. 9





7/15

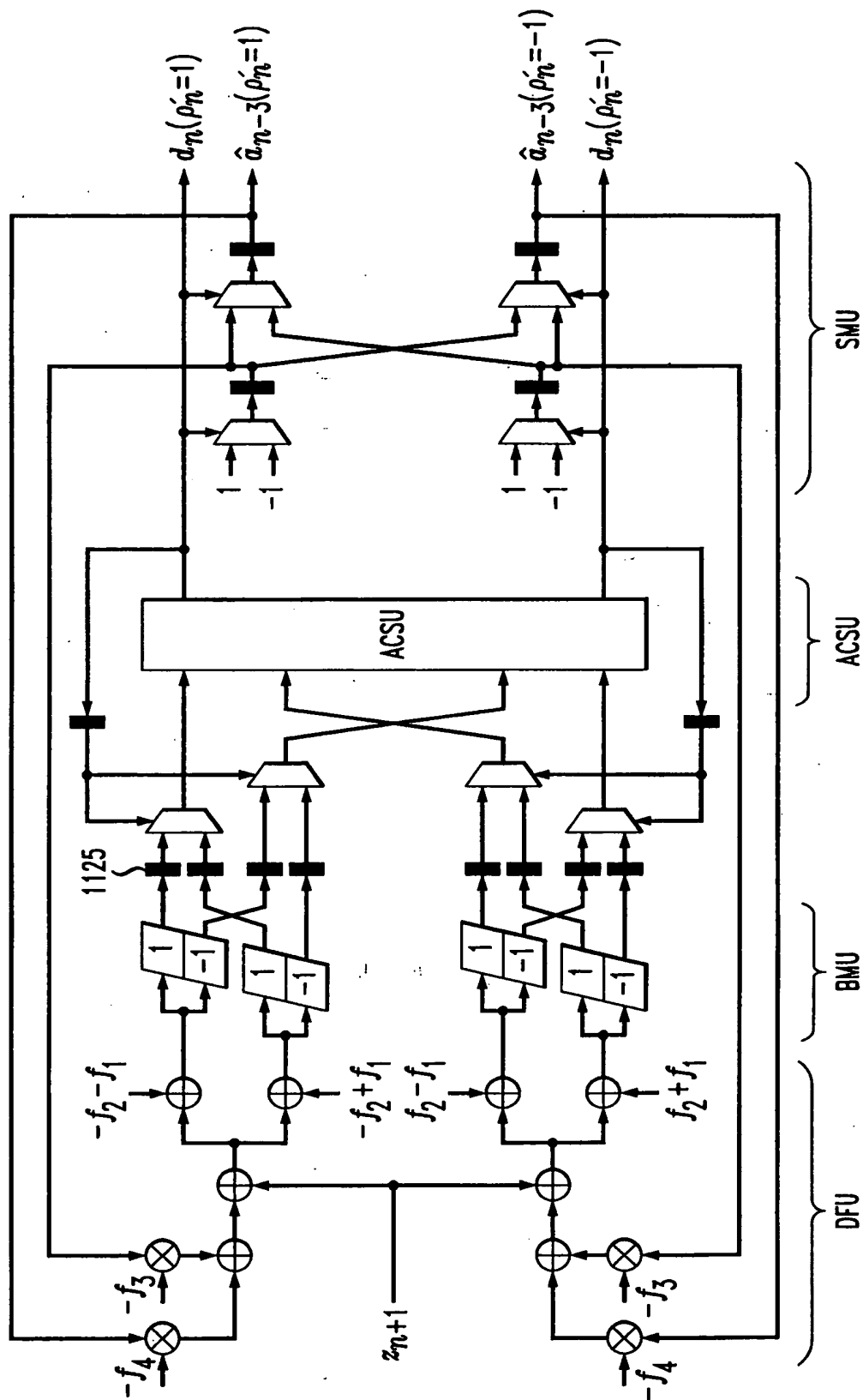
**FIG. 10**

COMPLEXITY AND CRITICAL PATH ANALYSIS TABLE OF PIPELINED RSSE -- 1000

	PIPELINED RSSE
COMPLEXITY	
NO. OF BMs:	$2^{K+2}$
ADDs IN DFU:	$S \times (L - M + 2M) = S \times (L + M)$
CRITICAL PATH ( $M = L - K$ )	2 ADDs 2-to-1 MUX



FIG. 11

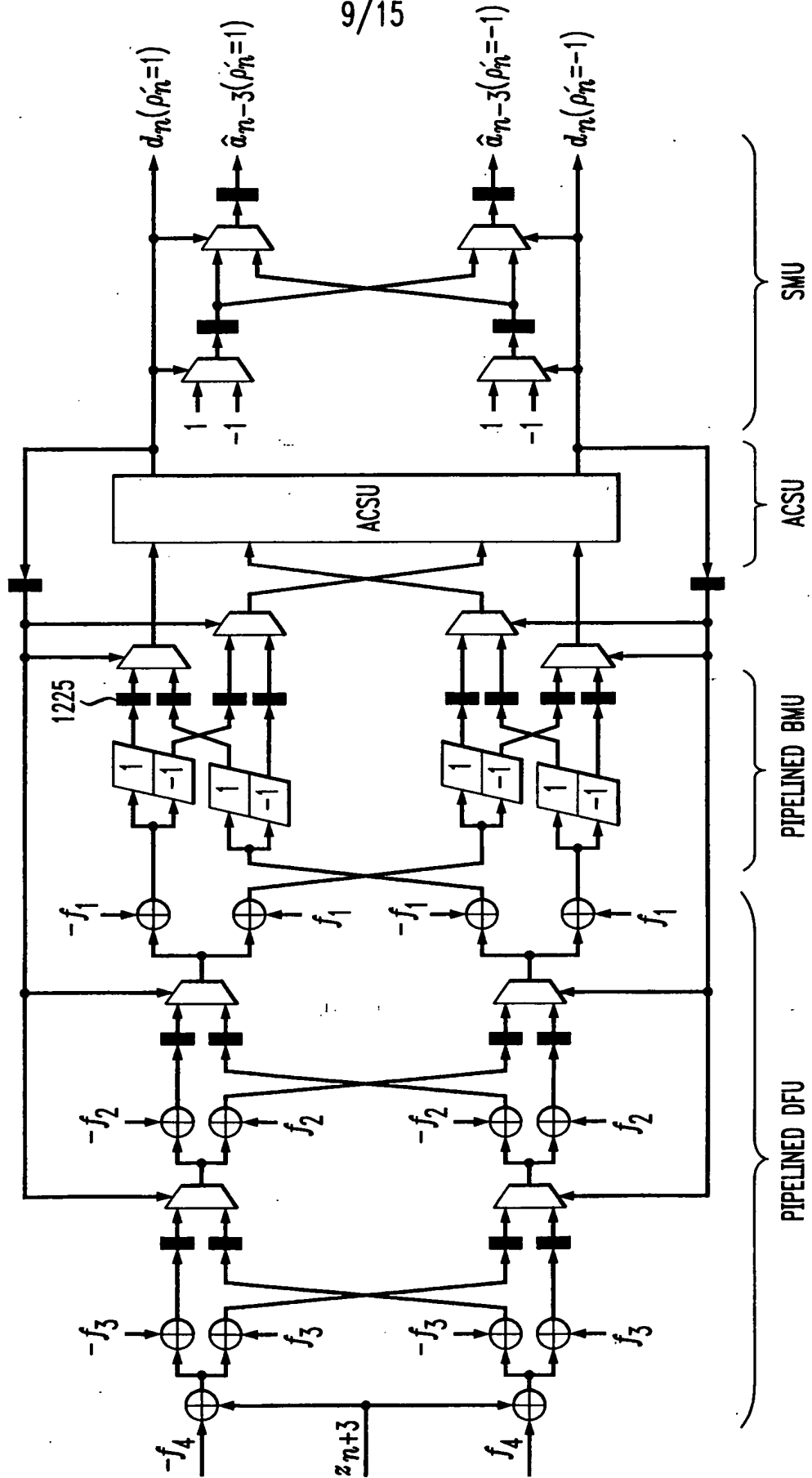




9/15



FIG. 12



10/15

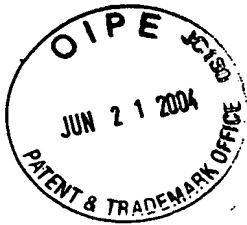


FIG. 13

1300

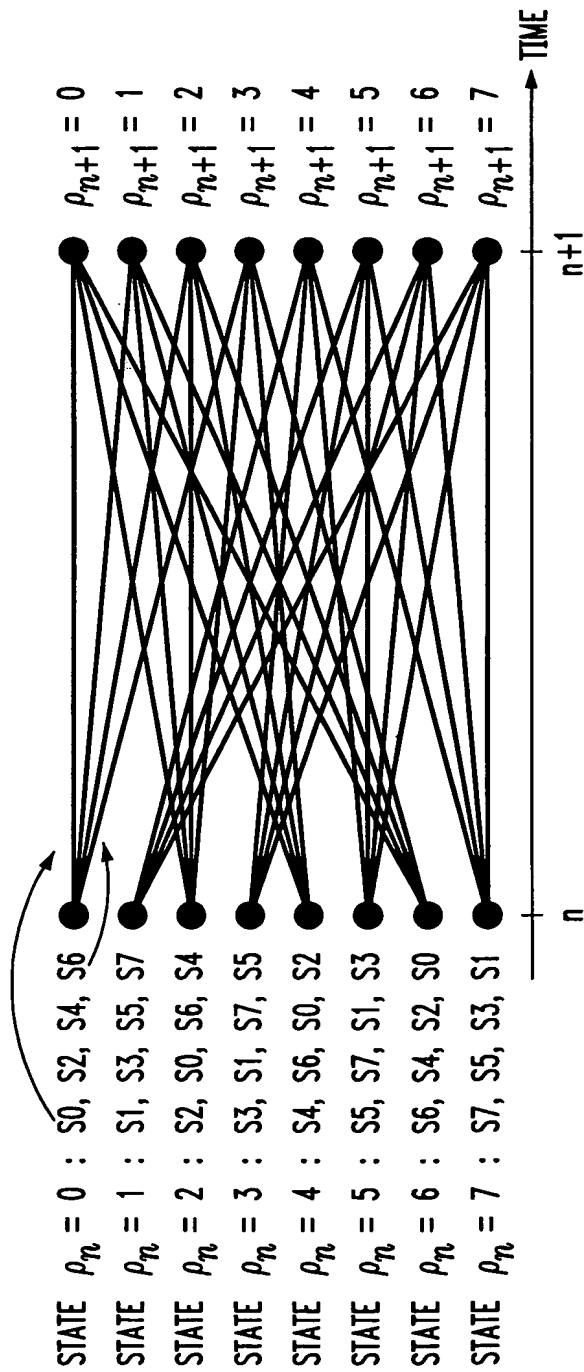


FIG. 14

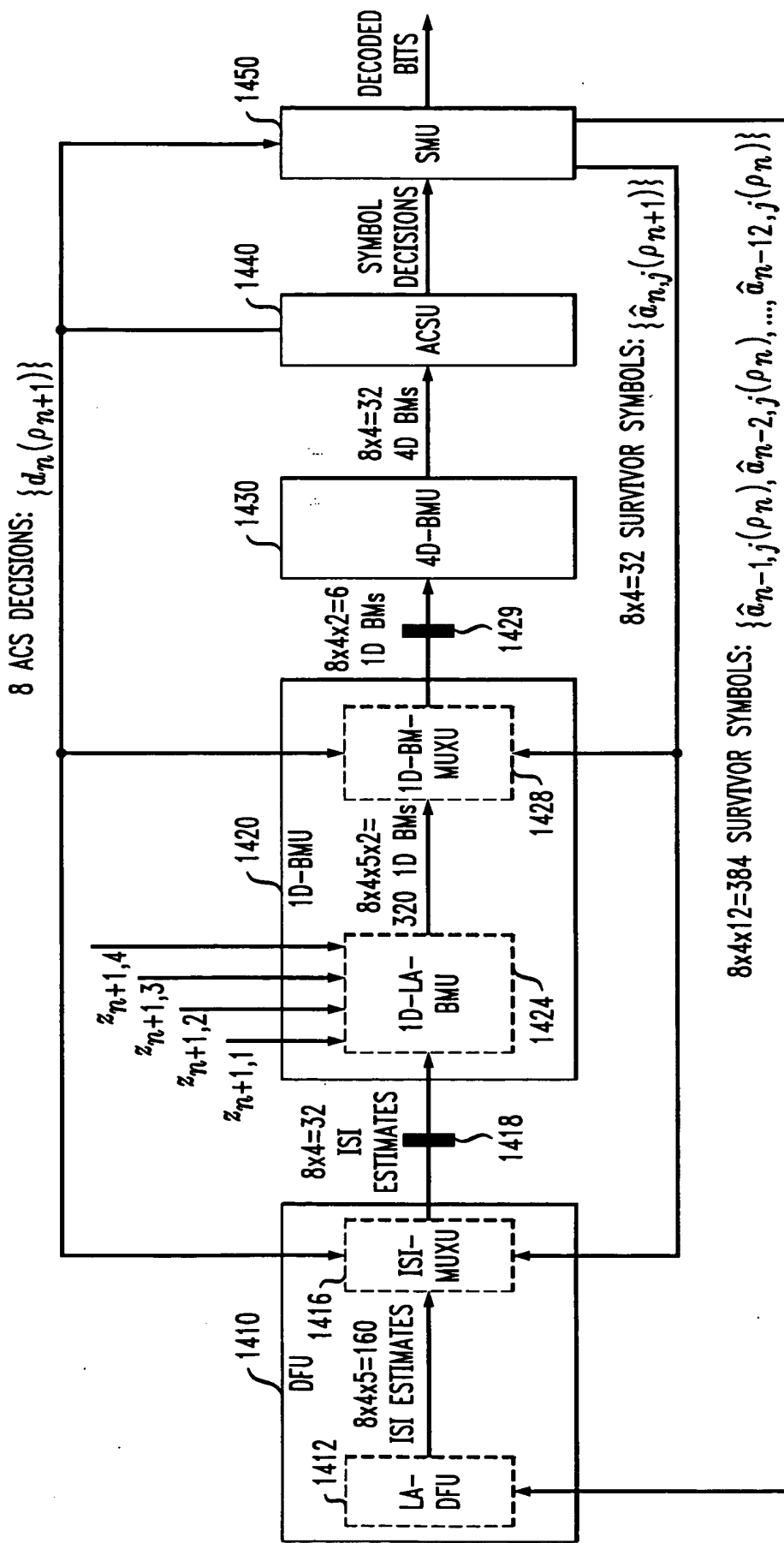


FIG. 15

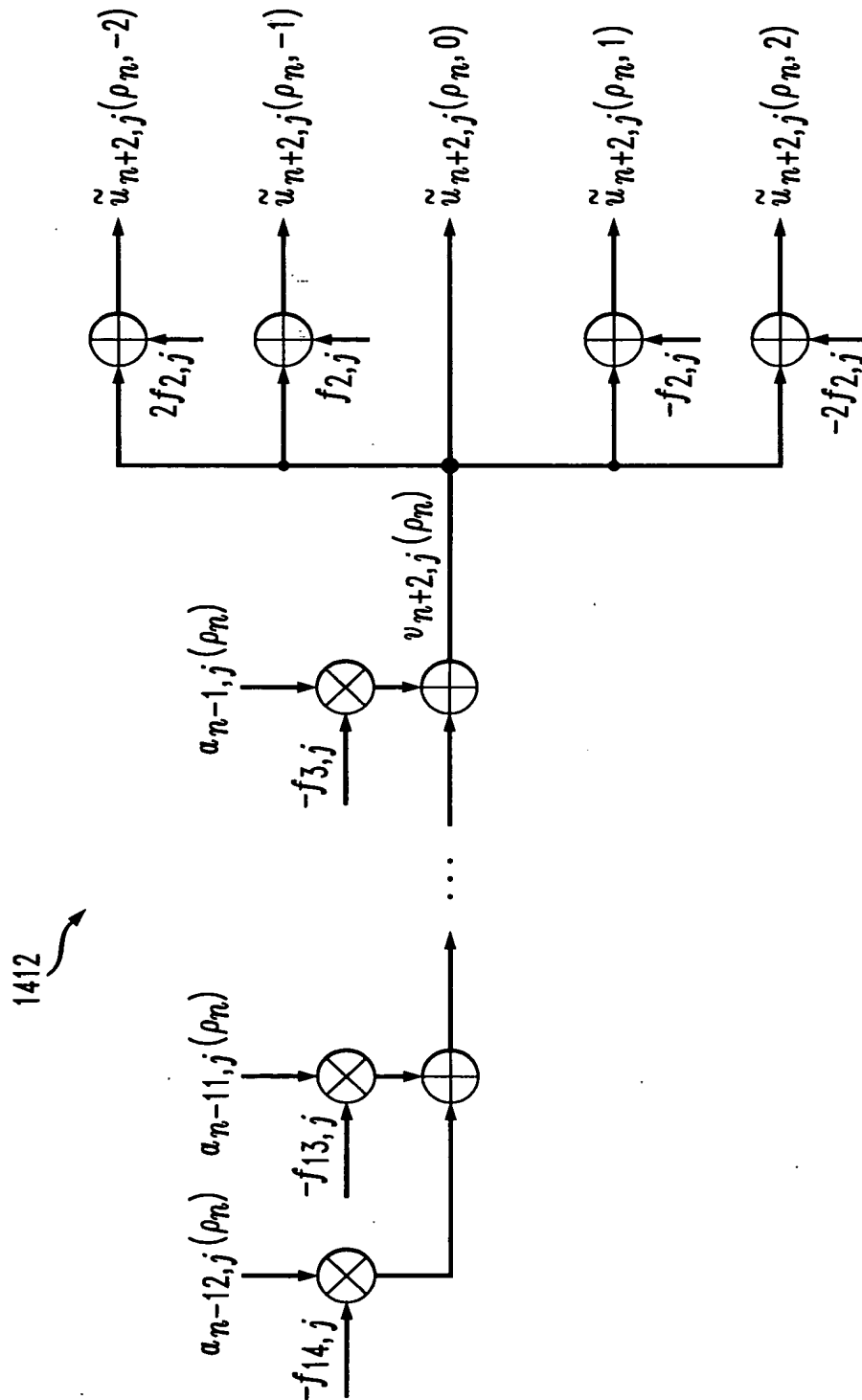




FIG. 16

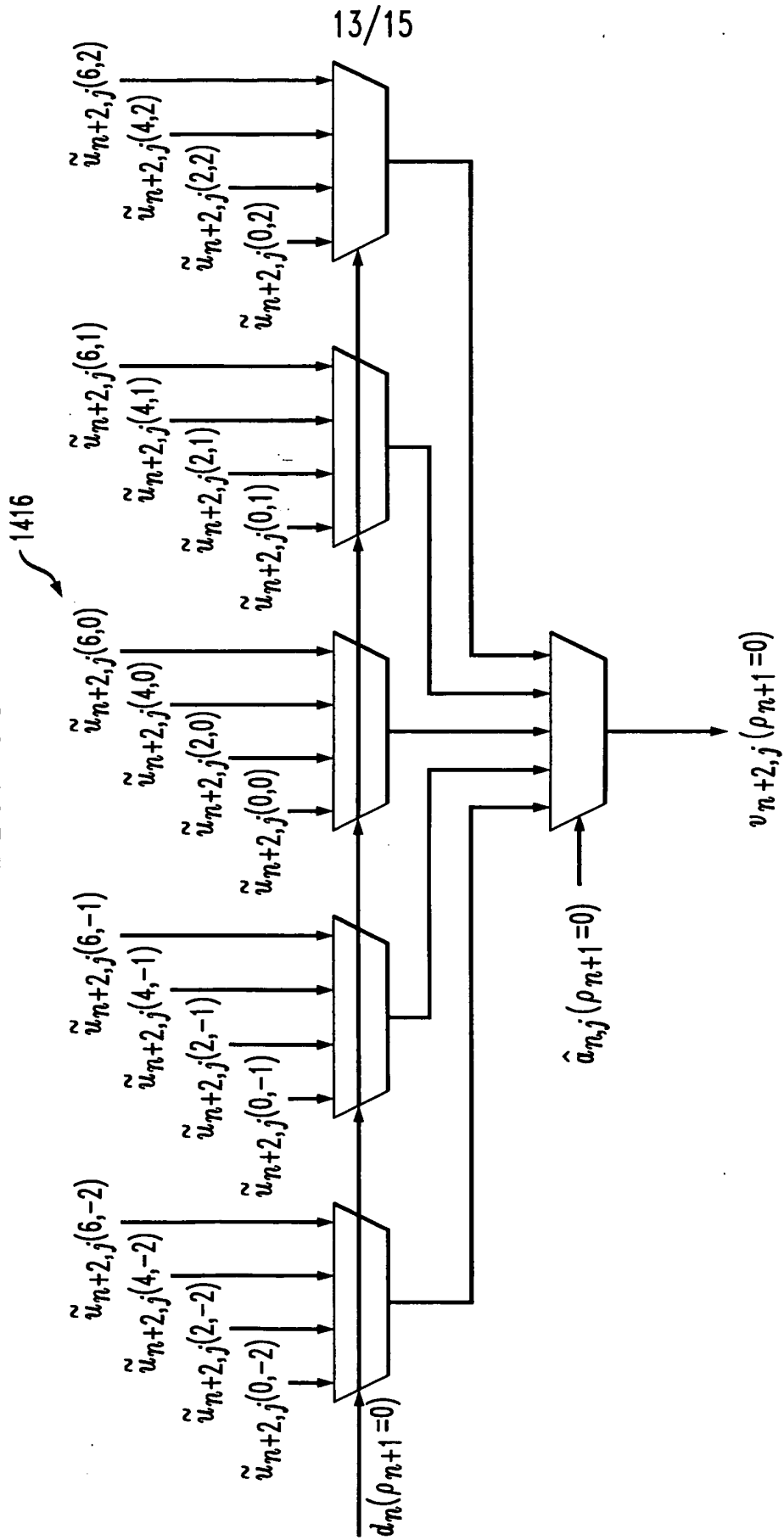
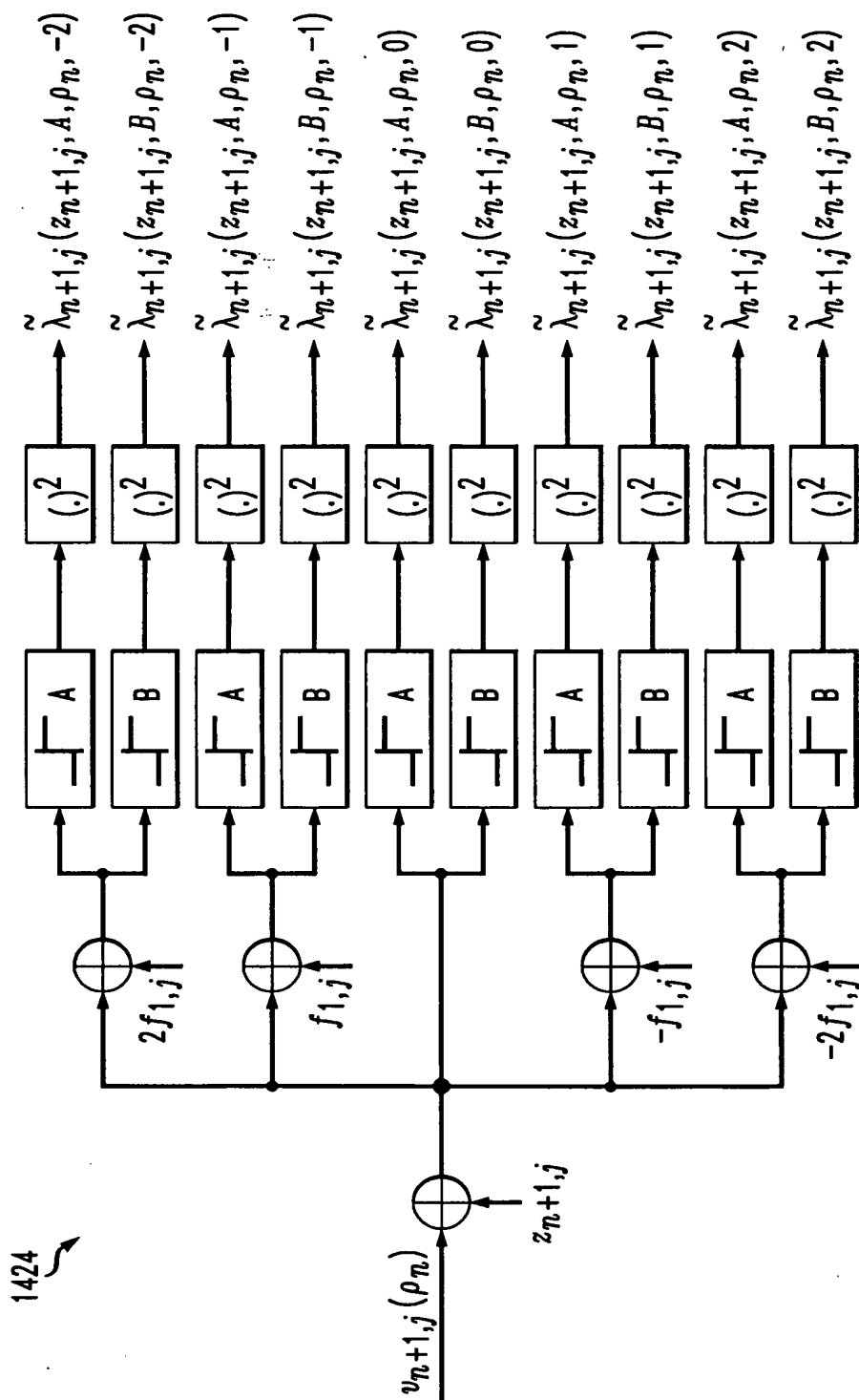
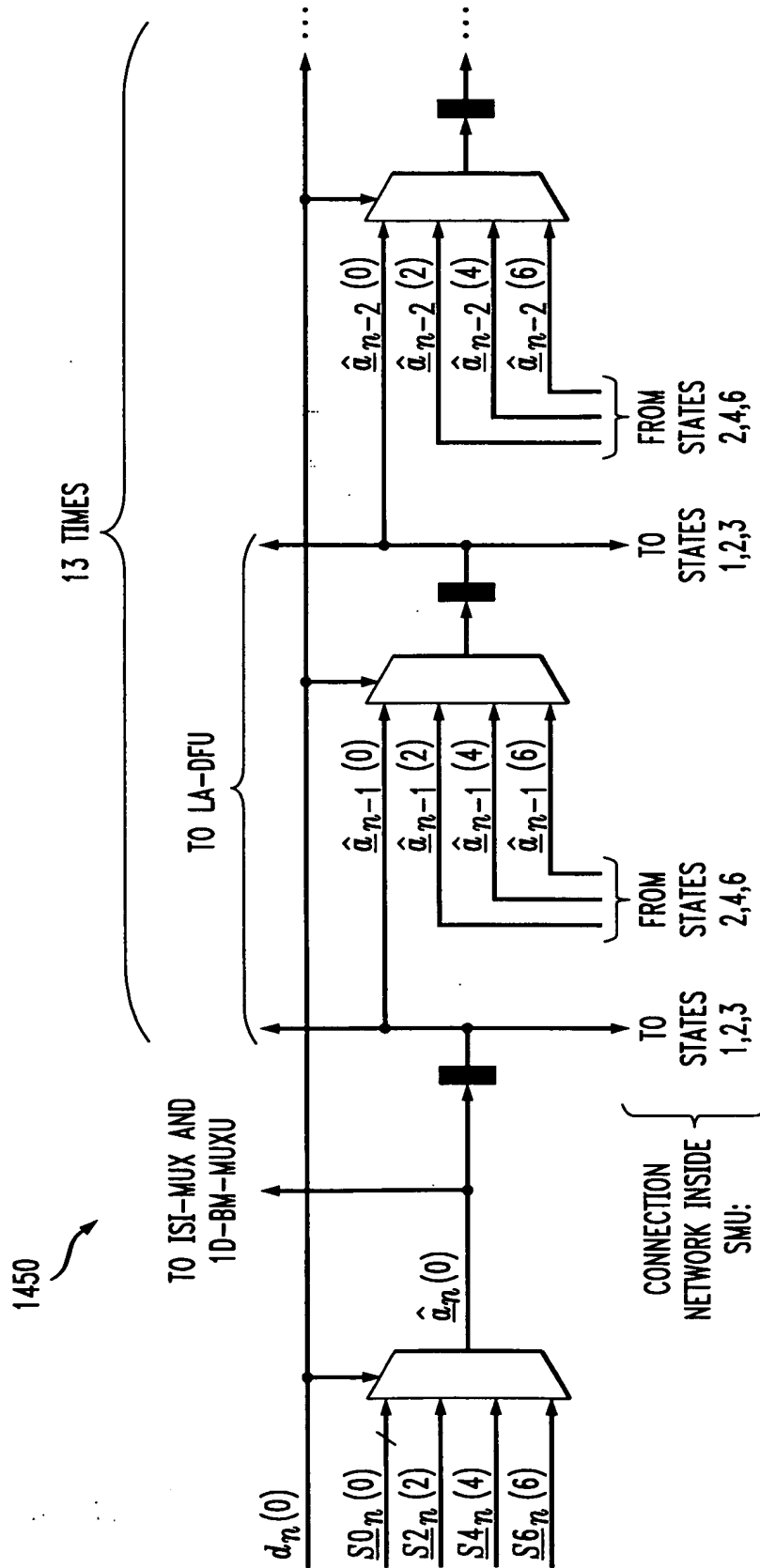




FIG. 17







# Replacement Sheet

3/15

FIG. 5

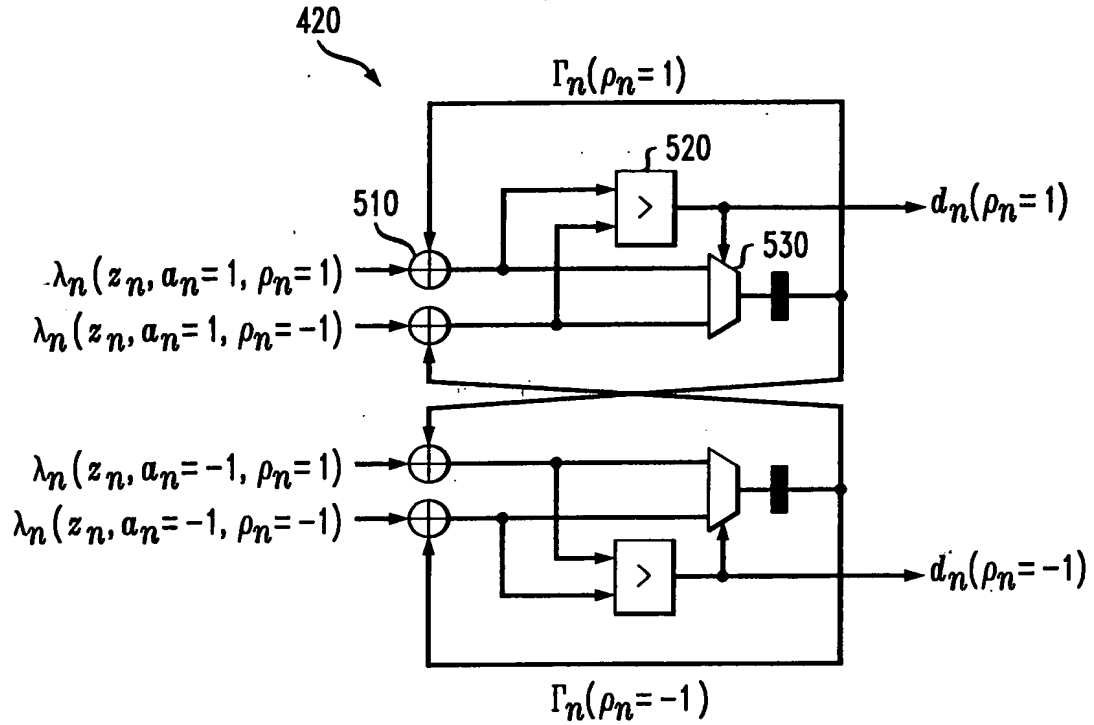


FIG. 6

COMPLEXITY AND CRITICAL PATH ANALYSIS TABLE -- 600

	MLSE	RSSE
COMPLEXITY		
NO. OF STATES:	$2^L$	$2^K$
NO. OF BMs	$2^{L+1}$	$2^{K+1}$
ADDs IN DFU:	—	$S \times L$
CRITICAL PATH	2 ADDs 2-to-1 MUX	$L - K + 3$ ADDs 2-to-1 MUX LUT SHIFT

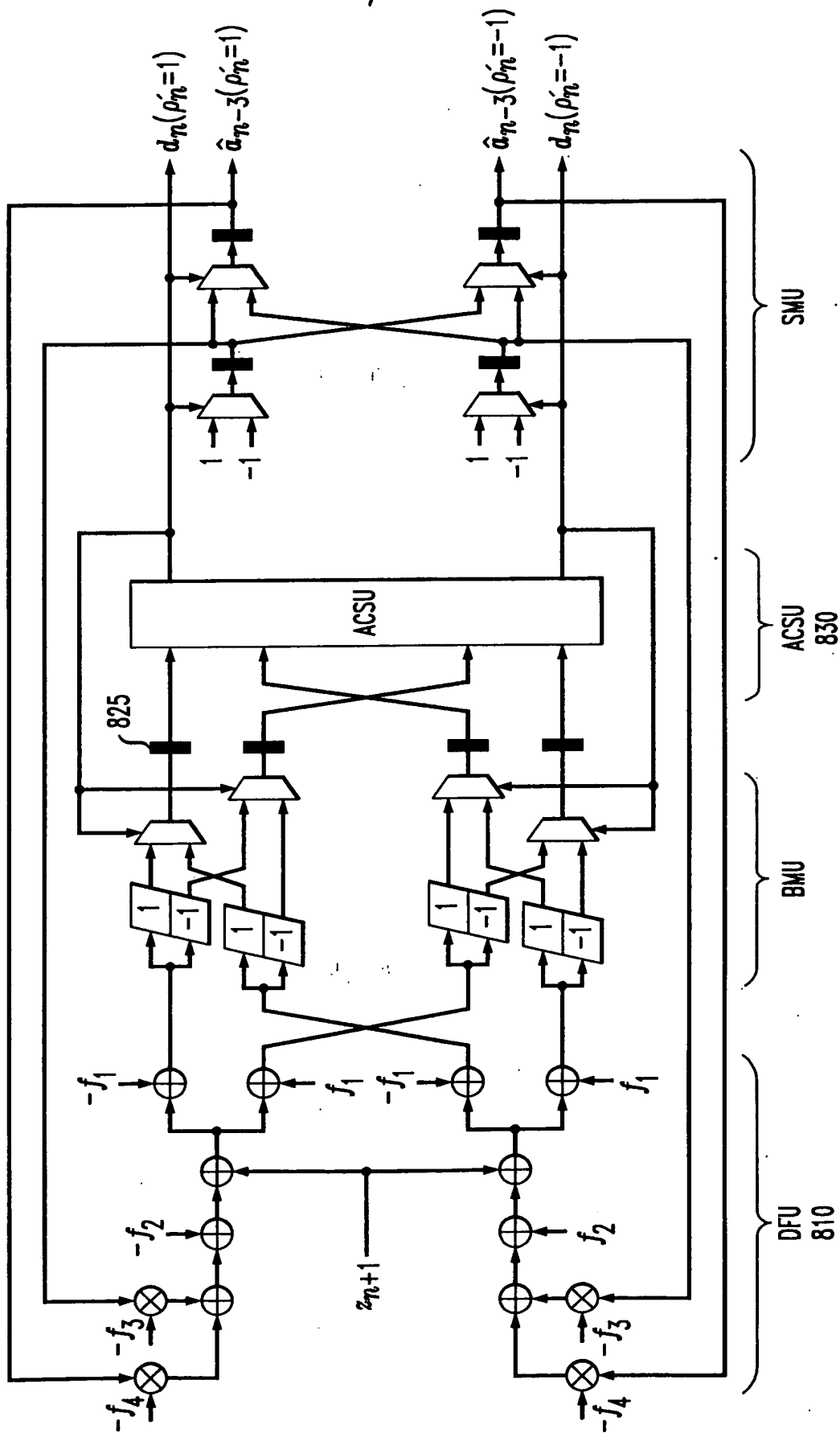




# Replacement Sheet

5/15

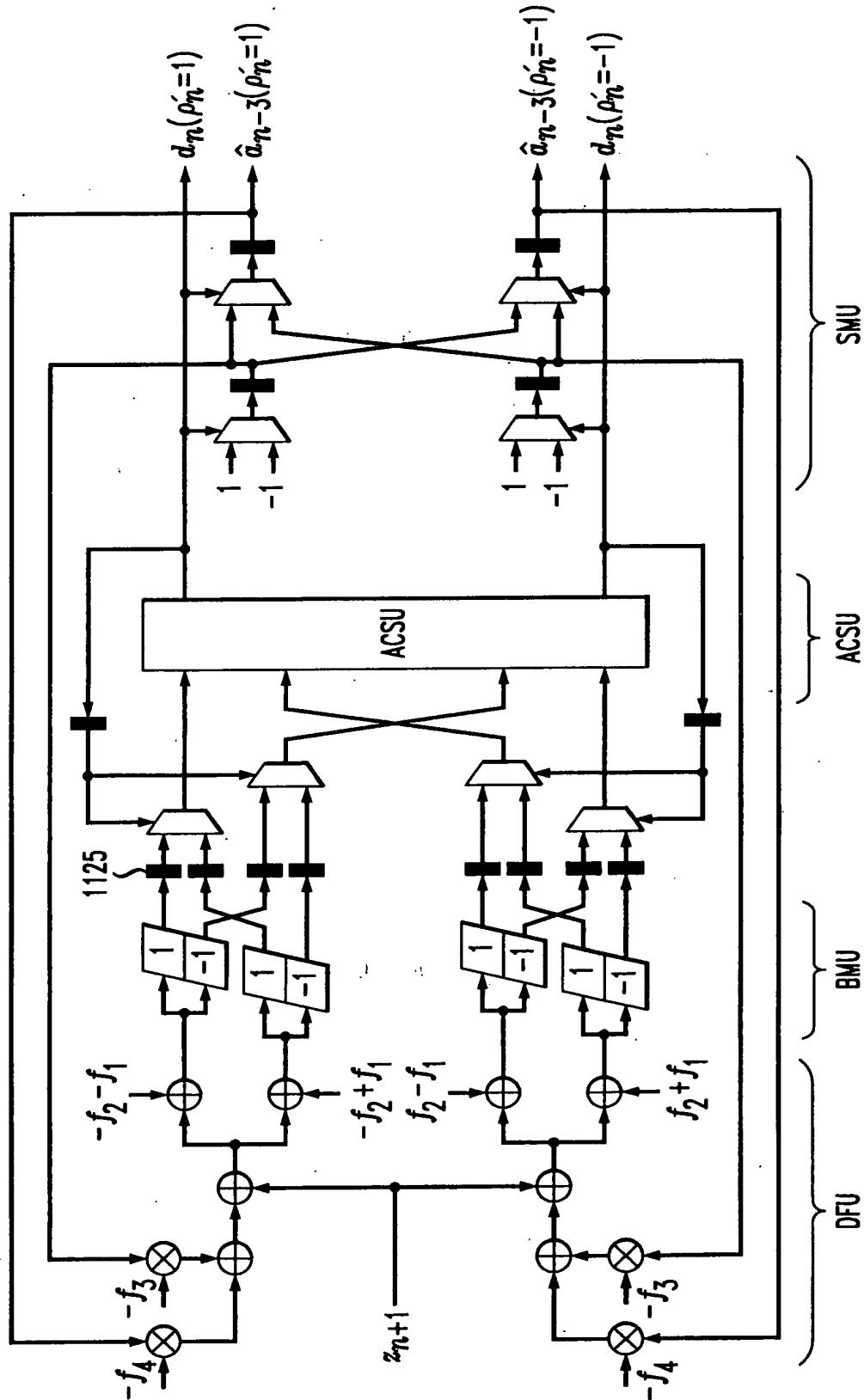
FIG. 8



# Replacement Sheet

8/15

FIG. 11



# Replacement Sheet

9/15

FIG. 12

